

Organic Buffer Layer for Organic Light-Emitting Device and Producing Method Thereof

Abstract of the Disclosure

An organic light-emitting device includes an anode glass base, a hole
5 transporting layer, an organic light-emitting layer, an electron transporting layer, and a
metallic cathode layer overlapped with each other. An organic buffer layer, which is
overlappedly disposed between the electron transporting layer and the metallic cathode
layer, has a hydrophilic head group firmly bonding with the metallic cathode layer and a
lipophilic tail group firmly bonding with the electron transporting layer such that the
10 organic buffer layer forms as a heat insulating media between the organic light-emitting
layer and the metallic cathode layer for preventing an uneven thermal expansion
difference therebetween during operating the organic light-emitting device.